

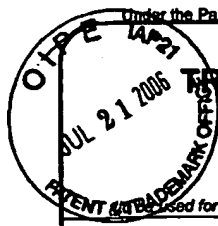
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PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

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Total Number of Pages in This Submission

Application Number	10/654,306
Filing Date	09/02/2003
First Named Inventor	Hiroyuki TAMURA et al.
Art Unit	2832
Examiner Name	Not yet assigned
Attorney Docket Number	44471/292097

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Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	KILPATRICK STOCKTON LLP		
Signature	<i>Brenda O. Holmes</i>		
Printed name	Brenda O. Holmes		
Date	07.17.2006	Reg. No.	40,339

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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/654,306
		Filing Date	September 2, 2003
		First Named Inventor	Hiroyuki Tamura et al.
		Art Unit	2832
		Examiner Name	
(Use as many sheets as necessary)		Attorney Docket Number	44471/292097
Sheet	2	of	2

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<i>mm</i>	2	AKIRA SUGIMURA, "Possibility of Magnetic Ordered States in Semiconductor Quantum Dot System", Japanese Journal of Applied Physics, Vol. 29, No. 12, December 1990, pp. L2483-L2485, XP-002373486	
	3	KHURGIN J. B. et al. "Exchange interactions in strained quantum dot arrays and possibility of engineering their magnetic properties", Superlattices and Microstructures, Academic Press, London, GB, Vol. 24, No. 2, August 1998, pages 133-142, XP004445309, ISSN: 0748-6036	
	4	J. KOLEHMAINEN, S.M. REIMANN, M. KOSKINEN, M. MANNINEN, "Magnetic interaction between coupled quantum dots", The European Physical Journal B, Vol. 13, No. 4, February 2000, pages 731-736, XP-002373487	
	5	MANO T. et al., "Formation of InAs quantum dot arrays on GaAs (100) by self-organized anisotropic strain engineering of a (In, Ga) As superlattice template", Applied Physics Letters, AIP, American Institute of Physics, Melville, NY, US, Vol. 81, No. 9, 26 August 2002, pages 1705-1707, XP012033393, ISSN: 0003-6951	
	6	HILL R. J. A. et al., "Magnetotunneling spectroscopy of an individual quantum dot in a gated tunnel diode", Applied Physics Letters, AIP, American Institute of Physics, Melville, NY, US, Vol. 79, No. 20, 12 November 2001, pages 3275-3277, XP012026416, ISSN: 0003-6951	
<i>mm</i>	7	N. AOKI, L.H. LIN, Y. OCHIAI, K. ISHIBASHI, Y. AOYAGI, J.P. BIRD, D.K. FERRY, J. OSWALD, "Magnetotransconductance in dot array system at high-magnetic fields", Physica E, Vol. 13, No. 2-4, March 2002, pages 769-772, XP2374127	

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Filing Date	September 2, 2003
First Named Inventor	Hiroyuki Tamura et al.
Art Unit	2832
Examiner Name	
Attorney Docket Number	44471/292097

(Use as many sheets as necessary)

Sheet	1	of	2
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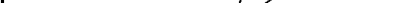
<p>Substitute for Form 1449/A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>			Complete if Known	
			Application Number	Not yet assigned
			Filing Date	September 2, 2003
			First Named Inventor	Hiroyuki Tamura
			Group Art Unit	N t yet assigned
			Examiner Name	Not yet assigned
			Attorney Docket Number	44471-292097
Sheet	1	of	2	

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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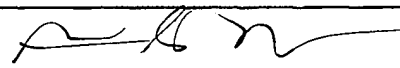
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Substitute for Form 1449/A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	Not yet assigned
		Filing Date	September 2, 2003
		First Named Inventor	Hir yuki Tamura
		Group Art Unit	Not yet assigned
		Examiner Name	Not yet assigned
		Attorney Docket Number	44471-292097
Sheet 2	of 2		

OTHER INFORMATION - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
mm	2	Oda, S. <i>et al.</i> , "Nanocrystalline Silicon Quantum Dots Prepared by VHF Plasma-enhanced Chemical Vapor Deposition", <i>J. Phys. IV</i> , France 11, pp. Pr3-1065-Pr3-1071 (2001)	
	3	Ueno, K., <i>et al.</i> , "Fabrication of GaAs Quantum Dots on a Bilayer-GaSe Terminated Si(111) Substrate", <i>Jpn. J. Appl. Phys.</i> , Vol. 40, Part 1, No. 3B, pp. 1888-1891 (2001)	
ml	4	Van der Wiel, W.G., <i>et al.</i> , "The Kondo Effect in the Unitary Limit", <i>Science</i> , Vol. 289, pp. 2105-2108 (2000)	

Examiner Signature		Date Considered	11/18/07
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¹Unique citation designation number. ²Applicant is to place a check mark here if English language translation is attached.